

Work Order ID 51504

August 25, 2009 1:33:57 PM



Page 1

Item ID: D076-612-015
Revision ID: A
Item Name: Cargo Mirror Assembly

Accept



Setup Start



Stop



Start Date: 8/27/09 Start Qty: 1.00
Required Date: 8/31/09 Req'd Qty: 1.00



Cust Item ID:
Customer:

Reference:

Approvals:

Process Plan:

PL MR

Date: *09-8-25*

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

DSI9304

Rev A

100



DC

Document Control

DOCUMENT CONTROL

Memo

Photocopy bluefile and create labels per PPP D076-612-015 CHG002

0.00

0.00

5 02/08/29

HD for BG 09/09/28

110



Packaging

Packaging

Pick Kit

Memo

0.00

0.00

9/9/25

(14)

SLP

120



QC

Quality Control

QC4- 100% Inspect kits for completeness

Memo

0.00

0.00

2) 5 03/08/29

(40)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 51504

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Page 2

Item ID: D076-612-015
Revision ID: A
Item Name: Cargo Mirror Assembly

Accept



Setup Start



Stop



Start Date: 8/27/09 Start Qty: 1.00
Required Date: 8/31/09 Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

0.00



Packaging

Packaging

Memo

0.00

Identify and pack for shipping as per PPP D076-612-015

Location:

PPP Rev: C

140

0.00



QC

QC21- Final Inspection - Work Order Release

Memo

0.00

Quality Control

09/09/30

9/9/09 12:50

09/09/30

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Page 1

Work Order ID: 51504

Parent Item: D076-612-015RevA

Parent Item Name: Cargo Mirror Assembly



Comments:

Start Date: 8/27/09

Required Date: 8/31/09

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2012-117RevC		Manufactured	No			110	Each	6.0000	3.0000			
												
Clevis												

B52498 ① SP

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	6	
31101	6	

② 31101 9/9/09 SP

D2261RevA1		Manufactured	No			110	Each	1.0000	1.0000			
												
Mirror Arm - Long S76												

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Premier		
Mezz	1	
39700	1	

39700 SP

D2262RevA1		Manufactured	No			110	Each	6.0000	1.0000			
												
Mirror Arm - Short S76												

9/9/09 SP

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Premier		
Mezz	6	
39695	6	

39695 SP

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

August 25, 2009 1:33:57 PM

Work Order ID: 51504

Parent Item: D076-612-015RevA

Parent Item Name: Cargo Mirror Assembly


Comments:

Start Date: 8/27/09

Required Date: 8/31/09


Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
8 D2263-1RevC		Manufactured	No			110	Each	90.0000	2.0000 /			
												
Clamp												


<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Premier		
Mezz	90	
16733	90	

16733 SP

8 D2263-3RevC		Manufactured	No			110	Each	193.0000	2.0000			
												
Castings												

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Premier		
Mezz	193	
15445	193	

15445 SP

8 D2264RevA		Manufactured	No			110	Each	12.0000	3.0000			
												
Cushion												

9/12/09

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	12	
33565	5	
48469	7	

48469 SP

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

August 25, 2009 1:33:57 PM

Work Order ID: 51504

Parent Item: D076-612-015RevA

Parent Item Name: Cargo Mirror Assembly

Comments:

Start Date: 8/27/09

Required Date: 8/31/09

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
6 D2271RevA "L" Bracket Assembly		Manufactured	No			110	Each	13.0000	3.0000			

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Premier		
Mezz	13	
16718	13	

S D2274RevF Radius Block		Manufactured	No			110	Each	368.0000	2.0000			
-----------------------------	--	--------------	----	--	--	-----	------	----------	--------	--	--	--

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	368	
22494	0	
23174	0	
36624	17	
38173	6	
42099	34	
43838	62	
47796	80	
50227	169	

S D2856-100-250RevA ABRASION STRIP		Manufactured	No			110	Each	0.0000	2.0000			
---------------------------------------	--	--------------	----	--	--	-----	------	--------	--------	--	--	--

16718 sf
9/9/25 @

50227 sf
B30822 sf

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Picklist Print

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Page 4

Work Order ID: 51504

Parent Item: D076-612-015RevA

Parent Item Name: Cargo Mirror Assembly


Comments:

Start Date: 8/27/09

Required Date: 8/31/09

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3439-101RevA		Manufactured	No			110	Each	1.0000	1.0000			
<div>  </div>												
Mirror Assembly 8"												

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

1

47152

1

110

Each

288.0000

3.0000

47152 SP

9/9/25 @

AN3-11A

Purchased

No

Bolt

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

288

109927

37

110865

200

14820

51

109927 sl

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Shop Packet Print

Page 4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51504

Parent Item: D076-612-015RevA

Parent Item Name: Cargo Mirror Assembly


Comments:

Start Date: 8/27/09

Required Date: 8/31/09

Start Qty: 1.00

Required Qty: 1.00


Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN4-5A  Bolt		Purchased	No			110	Each	153.0000	2.0000			

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST	153	
100089	6	
106605	6	
108672	1	
109061	9	
110844	100	
111650	31	

110844 SD

AN960JD10  Washer		Purchased	No			110	Each	2,512.000	9.0000			
--	--	-----------	----	--	--	-----	------	-----------	--------	--	--	--

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST	2512	
105442	95	
109059	2	
109840	23	
110985	202	
111279	13	
111668	177	
112314	1000	
112369	1000	

~~111668~~

112369 SD

9/9/09 (12)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Work Order ID: 51504

Parent Item: D076-612-015RevA

Parent Item Name: Cargo Mirror Assembly

Comments:

Start Date: 8/27/09

Required Date: 8/31/09

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN960JD416 Washer		Purchased	No			110	Each	10,006.00	10.0000			



9/9/25 @

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	10006	
102929	2	
105906	4	
107321	23	
107939	114	
108161	553	
108827	31	
109249	69	
110523	340	
111279	101	
111916	3882	
112314	4887	
16941	0	

111916 SP

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Work Order ID: 51504

Parent Item: D076-612-015RevA

Parent Item Name: Cargo Mirror Assembly


Comments:

Start Date: 8/27/09

Required Date: 8/31/09

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
MS21042L3		Purchased	No			110	Each	3,889.000	6.0000			
												
Nut												


Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST	3889
110844	32
111274	365
111668	992
112314	2000
112385	500

111274 SP

MS21042L4		Purchased	No			110	Each	9,048.000	3.0000			
												
Nut												

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST	9048
107499	5
110507	1006
111827	5996
112314	2000
15924	0
8182	41

112314 SP

9/9/09 QD

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Picklist Print

August 25, 2009 1:33:57 PM

Work Order ID: 51504

Parent Item: D076-612-015RevA

Parent Item Name: Cargo Mirror Assembly


Comments:

Start Date: 8/27/09

Required Date: 8/31/09

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
MS27039-1-14		Purchased	No			110	Each	169.0000	3.0000			
												
Screw												

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

169

112312

100

15924

69

NAS1738B-4-2

Purchased

No

110

Each

89.0000

9.0000



Blind Rivet

15924 SP

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

89

112082

89

AN4-10A

Purchased

No

110

Each

128.0000

1.0000



Bolt

112082 SP

9/9/25 D SP

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

128

103962

8

108986

20

111425

100

108986 SP

August 25, 2009 1:33:57 PM

Shop Packet Print

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



DESIGN CP	DRAWN BY CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED H	APPROVED H	DRAWING NO. DSI 9304	REV. C SHEET 1 OF 2
DATE 05.06.13		TITLE MIRROR SUBSTITUTION	SCALE NTS
A	05.05.27	NEW ISSUE	
B	05.06.03	ADD OPTIONAL ANTI-SLIP HARDWARE	
C	05.06.13	NOW PERMANENT KIT CHANGE	

DART SERVICE INSTRUCTION
TO AMEND INSTALLATION INSTRUCTIONS IIN-D076-612 REV. A
REF. CANADIAN STC: SH94-38 ISSUE 2
REF. FAA STC: SR00298NY

posis

For the D076-612-015 CHG 002 Cargo Mirror kit, the D2011-103 Mirror referenced in IIN-D076-612 rev.A has been replaced with the D3439-101 Mirror Assembly. The attaching hardware for this mirror has been changed to reduce the chance of slippage in flight. The mirror should be installed per the figure on page 2 of this document. The parts list for the D076-612-015 Cargo Mirror kit is given below.

Qty -015	Part Number	Description
X	D076-612-015	CARGO MIRROR, 8"
1	D3439-101	Mirror Assembly(8")
1	*D3015-3	Locknut
1	*5/16WC	Washer
3	D2012-117	Clevis
1	D2261	Arm Assembly
1	D2262	Arm Assembly
2	D2263-1	Clamp
2	D2263-3	Clamp
3	D2264	Cushion
3	D2271	Bracket
2	D2274	Radius Block
2	D2856-100-250	Abrasion Strips
3	AN3-11A	Bolt
2	AN4-5A	Bolt
1	AN4-10A	Bolt
9	AN960JD10	Washer
10	AN960JD416	Washer
6	MS21042L3	Nut (or MS21042-3)
3	MS21042L4	Nut (or MS21042-4)
3	MS27039-1-14	Screw
9	NAS1738B-4-2	Blind Rivet

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

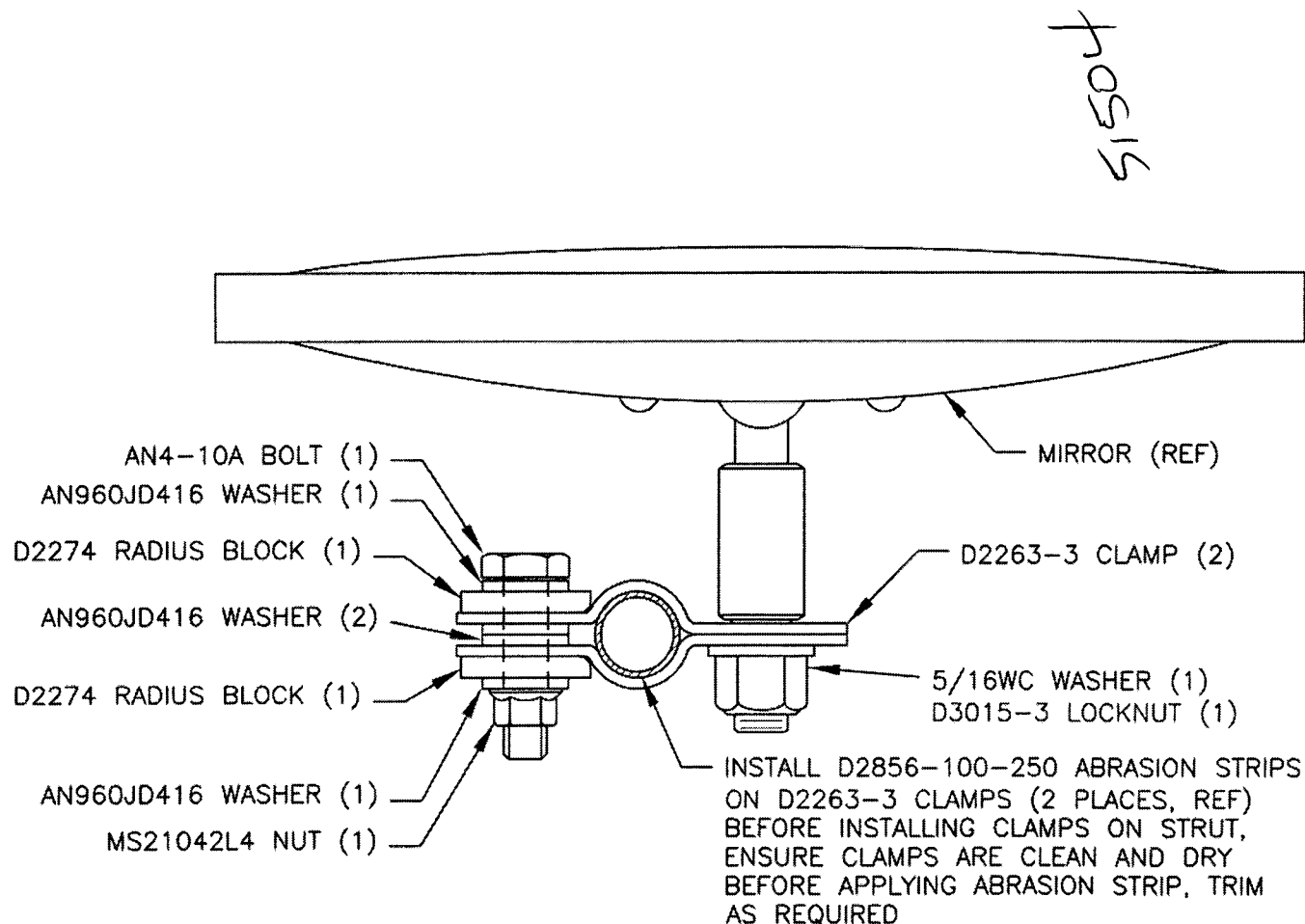
DATE: 05.06.13
CERT. NO.: SH94-38
ISSUE NO.: 2

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DESIGN CP	DRAWN BY CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED [Signature]	APPROVED [Signature]	DRAWING NO. DSI 9304	REV. C SHEET 2 OF 2
DATE 05.06.13		TITLE MIRROR SUBSTITUTION	SCALE NTS



VIEW OF FIGURE 5 (DETAIL 'C')
of IIN-D076-612 Rev. A

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO #01-O-01

APPROVED

BY: [Signature]
D. SHEPHERD (DE # 02)

DATE: 05.06.13
CERT. NO.: SH94-38
ISSUE NO.: 2

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